RPB Mainframe Transformation and Relocation

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Goals of this Meeting

- Share the activities underway in preparation to move mainframe processing from the Richmond Plaza Building to the Commonwealth Enterprise Solutions Center (CESC)

- Present a high level schedule of migration related events and the timing of key activities associated with executing the move

- Solicit assistance in engaging agency applications support teams who will help the NG/VITA transformation teams create test plans and provide support in executing those plans

Agenda

- Pre-move hardware & software initiatives

- Planned schedule (high level)

- Preparation Initiatives

- Preparation tasks

- Agency application testing

- NG/VITA test team progress

- Test schedule development

- Questions

Pre-move hardware & software initiatives

- Mainframe components

  - EMC DMX2000 disk storage unit recently installed in the RPB

    - IBM and UNISYS data storage in the process of being consolidated onto the DMX2000

    - Second DMX2000 will be installed within the CESC to support high speed data replication during the migration of mainframe processing

    - Migration complete – RPB installed DMX2000 goes to the SWESC

    - Data replication between the CESC and SWESC will be implemented

  - EMC Centera Bustech virtual tape library has been installed in the RPB

    - UNISYS tape storage volumes are being loaded into the EMC Centera

    - Second EMC Centera unit will be installed in the SWESC

    - Tape replication between the CESC and SWESC will be implemented

  - UNISYS Dorado 390 processor in storage within the RPB

    - This processor will be installed within the CESC

    - Current UNISYS CS7802 in the RPB will be relocated to SWESC

Pre-move hardware & software initiatives
(continued)

- Mainframe components (continued)

  - IBM 2094-470 mainframe is being ordered from IBM

    - New IBM 2094-470 mainframe will be installed in the CESC

    - IBM 2064-1C6 installed in the RPB will be relocated to the SWESC

  - Current technology IBM automated tape library selected for the CESC

    - Plan to order new TS 3500 tape library with a TS 7740 virtualization engine

    - IBM TS 3500 tape library will support the consolidation of both virtualized IBM tape volumes and Open Systems (server-based) tape backup volumes

    - The TS 3500 will replace the Sun/STK SL5500 tape library (server tape backups) and eliminate any requirement to procure a 2nd SL5500 for the SWESC

  - Mainframe Printing relocation from RPB

    - Move RPB Printers in preparation for Mainframe moves

    - Identify Central Mainframe Print Facility (may be CESC or downtown facility with DMV under consideration)

    - Identify consolidation opportunities (per contract commitment for a consolidated Mainframe Print Facility by 2/1/08)

Pre-move hardware & software initiatives
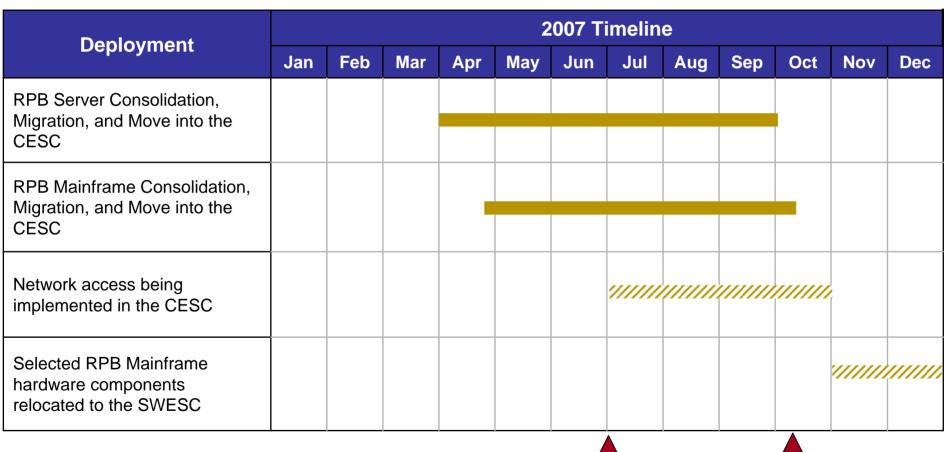**(continued)**

- Software

  – IBM & UNISYS software environments will be replicated in the CESC

  – Software environments will also be replicated in the SWESC for DR solution

Planned schedule (high level)

Deployment	2007 Timeline											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RPB Server Consolidation, Migration, and Move into the CESC				▬▬	▬▬	▬▬	▬▬	▬▬	▬▬			
RPB Mainframe Consolidation, Migration, and Move into the CESC					▬▬	▬▬	▬▬	▬▬	▬▬			
Network access being implemented in the CESC							▨▨	▨▨	▨▨	▨▨		
Selected RPB Mainframe hardware components relocated to the SWESC											▨▨	▨▨

▲ Mainframe user testing begins

▲ Mainframe migration complete

Planned schedule (pre-move initiatives)

Pre-move initiatives	2007 Timeline											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Consolidate OS/390 and Unisys DASD on new EMC DMX2000		▬	▬									
Virtualize Unisys Tape environment to EMC/Bustech Centera system.		▬										
Install and convert IBM Tape library from current 3494 B18 to TS7740 and TS3500 Tape system					▨							
Finalize facility plans and install new Printers in alternate location to replace RPB Printers prior to Relocation to CESC			▬	▬	▬	▬	▬	▬	▬			
Open Systems Tape Consolidation to the new TS3500 Tape Library for 3Par backups after conversion					▬	▬	▬	▬	▬	▬	▬	

Preparation tasks in process

- DASD consolidation
  - IBM & UNISYS disk storage currently being consolidated on the DMX2000
  - Scheduled to be complete by mid-April

- UNISYS tape virtualization & consolidation
  - UNISYS tape volumes are being loaded into EMC Centera virtual tape library
  - Scheduled to be complete well before the end of March

Preparation tasks remaining

- IBM tape virtualization

  - Order new IBM tape library

  - Transfer virtualized IBM tape volumes from current library to new library

  - Plan to complete this effort by May 1

- Order printers for the Consolidated Print Center

  - RPB mainframe print tasks need to be migrated as the Mainframes move to CESC

  - Finalize location for RPB Printers

- Fujitsu PrimePower UNIX server

  - Finalize configuration and order PrimePower server for CESC

  - PrimePower supports data transfer between the IBM and UNISYS mainframes

  - Processes a variety of VITA specific support applications

Preparation tasks remaining
(continued)

- Software

  – Negotiate with mainframe Operating System and application software product vendors an agreement to run dual instances of their products during migration

- Open Systems (server) tape consolidation

  – Transfer server tape backup volumes to the new IBM TS 3500 tape library

  – Migrate from the SUN/STK SL5500 in accordance and alignment with the Server Consolidation Schedule

Agency Expectations

- **What do we need**
  - Agency Point of Contact as part of the Testing Team
  - Point of Contact to provide Agency Input
  - Participation in bi-weekly to weekly Test Team planning sessions
  - Liaison to the Agency user community for issues identification and resolution
  - Agency coordination for actual test activities
  - Assistance in identification and validation of all Mainframe applications
  - Participation in application testing and change control processes

- **What we will provide**
  - Provide Planning coordination for all Mainframe connected Agencies
  - Regularly scheduled communication forums thru Production Cutover
  - Email communications on a scheduled and ad-hoc basis as key events are scheduled or occur.
  - Maintain and publish Application issues raised and resolved.

NG/VITA test team progress

- ## NG/VITA test team

  - Karen Lusk has been selected to oversee the development and coordination of test team activities. Karen coordinated & managed the last two annual SunGard DR tests

  - NG/VITA is made up of current operations and transformation personnel who will be h7
    heavily involved in the preparation of all hardware, software and network components and deeply involved in test support

  - The VITA SMO will be working closely with both NG/VITA current operations and NG transformation teams assisting with agency communications, coordination and joint project oversight

- ## Progress to date

  - List of primary contacts within agencies using mainframe applications available but requires validation

  - List of all mainframe and UNIX server applications has been created

  - Weekly test team meetings in which testing methodologies & processes are being developed

  - Drafts of agency data gathering and discovery questionnaires are available

h7   Combine these to make it a single team of Transformation and Current Operations.
             hallbe, 3/9/2007

Test schedule development

- To create schedules for executing mainframe application tests

  – Need to meet with agency application and network support personnel

  – Validate information collected through questionnaires

  – Select test dates and build plans accordingly

  – Create and distribute detailed test schedules to agencies

Questions?